

PAULA RODRIGUEZ

FRONTEND DEVELOPER | REACT & TYPESCRIPT SPECIALIST | UI ENGINEER

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Frontend Developer based in Barcelona, with 6+ years of experience building scalable web applications using React (v16–18), TypeScript, and modern frontend architectures. Skilled in component-driven development, clean code principles, and UI/UX collaboration. Strong background in SaaS, AI-driven products, and enterprise applications, with proven ability to work in distributed Agile teams (Scrum/Kanban). Committed to maintainable, testable, and accessible code with a focus on performance, quality, and user experience.

STACK I'VE WORKED WITH

Languages:

TypeScript, JavaScript (ES6+), HTML5, CSS3, SASS, LESS, BEM, JSON

Frameworks / Libraries:

React (v16–18), Next.js (v10–13), Angular (v8+), Vue.js, JQuery

UI Libraries & Tooling:

Material UI, Styled Components, Tailwind CSS, ShadCn UI, Figma, Storybook (v7–8)

State Management:

TanStack Query, Redux Toolkit, Context API

Testing:

Jest, React Testing Library, Vitest.

API Integration:

REST APIs, Axios, Fetch, GraphQL, gRPC.

Cloud / DevOps Environment:

AWS, Azure App Services, GitHub, Docker.

Methodologies:

Scrum, Kanban, CI/CD, Pair Programming, Code Review

Design & Accessibility:

WCAG 2.1, Responsive Design, UX/UI Collaboration

Architecture & Best Practices:

Clean Code, SOLID, Hexagonal Architecture (frontend), Atomic Design, DRY/KISS/YAGNI principles, Performance Optimization, Scalability patterns, Component-driven development, Code reviews.

WORK EXPERIENCE as FRONTEND DEVELOPER

Freelance, Nov. 2024 - Present

Developed a **React + TypeScript Single Page Application (SPA)** for internal use to **monitor and track the real-time geolocation** of products.

- Implemented an **interactive dashboard** with live updates, map visualization, and custom data filters.
 - Styled the interface using **Tailwind CSS** and **Shadcn UI components**, following **responsive design and accessibility standards (WCAG 2.1)**.
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Built an **interactive multimedia application** for a **cultural exhibition**, designed to run on **touch-screen devices**.

- Developed with **React and TypeScript**, integrated **videos, animations, and audio assets**, and compiled for **Android** using **Capacitor**.

LangAI, Aug. 2022 - Aug. 2024 (remote, International SaaS environment)

Development of a **SaaS-to-CX automation platform** that automates manual support tasks, enhances agent productivity, and provides real-time insights to optimize the **Customer Experience (CX)** process, resulting in faster response times and higher customer satisfaction.

The platform includes **dashboards, metrics, recommendations, alert systems**, and is **integrated with Zendesk** and other CX tools.

Key Contributions:

- Developed and maintained a **scalable React 18 frontend** using **TypeScript**, ensuring **modularity** and **performance**.
- **Improved data fetching and caching efficiency** using **TanStack Query** and **Apollo**.
- Implemented **GraphQL** and **gRPC** integrations with robust **state handling** via React **Context API**.
- Utilized **React Hooks** extensively (**useCallback, useMemo, React.memo, lazy, Suspense**) and developed **custom hooks** to optimize rendering and resource usage.
- Built and maintained a **Design System** with **Storybook**, improving UI consistency and accelerating development across teams.

- Increased **unit test coverage** in the Design System using **Jest**, **React Testing Library** and **Vitest**.
- Maintained existing **end-to-end tests** using **Cypress**.
- Operated applications within **Docker** containers.
- Collaborated in **POCs**, **product discoveries**, and **Design System evolution**, working closely with product and design across **Figma** and **Notion**.
- Followed **Clean Code**, **SOLID**, and **Atomic Design** principles to ensure maintainability and scalability.
- **Ensured code consistency and quality** using **ESLint** and **Prettier**.
- Worked in **Scrum framework** with **2 and 3 week sprints**, and occasionally in **Kanban workflows**, working closely with backend and product teams.

Altia, Nov. 2021 - Jul. 2022 (Madrid - remote)

Development of an enterprise application for maritime traffic monitoring, aimed at providing real-time vessel tracking, analytics, and operational dashboards for logistics and port management.

Key Contributions:

- Contributed to the **progressive migration** of a legacy **AngularJS** web application to a **React 17 micro-frontends architecture**, improving scalability and maintainability.
- Designed and implemented **accessible, reusable UI components** using **Material UI** and **Styled Components**, compliant with **WCAG accessibility standards**.
- Integrated multiple **REST APIs** via **Axios**, creating **TypeScript-typed models** and centralized error handling for safer API communication.
- Developed **unit tests** with **Cypress**, ensuring reliability and reducing regressions during refactoring.
- Implemented **OpenLayers** for map rendering and visualization of maritime traffic data.
- Participated in **Scrum 2 weeks sprints**, contributing to sprint planning, code reviews, and iterative delivery using **Jira** and **GitFlow**.
- Applied **Clean Code** and **SOLID principles** to ensure maintainable, high-quality code and consistent component architecture.

Viseo Iberia, Feb. 2020 - Nov. 2021 (Madrid, on-site)

Development of a **Single Page Application (SPA)** for a mutual insurance company, including **authentication, user role differentiation, and real-time messaging**. The system connected to **Azure-hosted microservices** via **SignalR** for instant communication and event updates.

Key Contributions:

- Developed and optimized **React 16 + TypeScript SPA** integrated with **Azure microservices**.
- Enabling real-time updates and communication between users via **SignalR library**.
- Implemented **JWT-based authentication, routing, and role-based access control** for multiple user profiles.
- Created and maintained **custom React Hooks** to handle forms, authentication state, and messaging events, improving reusability and reducing code duplication.
- Followed **Clean Code** and **SOLID principles**, ensuring scalability, maintainability, and testability of the frontend architecture.
- Participated in **Agile sprints** within a **Scrum framework**, contributing to sprint planning, daily stand-ups, and retrospective sessions.

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Migrated an **auction platform** from React to **Next.js**, significantly improving SEO and overall performance.

Multiplica, Mar. 2019 - Feb. 2020 (Madrid, on-site)

Delivered **frontend solutions for multiple enterprise clients** in sectors such as **healthcare, energy, and travel**, adapting to different design systems, codebases, and project methodologies. Focused on delivering **pixel-perfect, responsive, and accessible user interfaces** aligned with UX and performance best practices.

Key Contributions:

- Developed **modular and responsive UIs** using **Angular 8, Vue.js, Vanilla JavaScript (ES6), HTML5, CSS3, SASS, Bootstrap 4, Gulp, jQuery, and others**, ensuring **cross-browser compatibility** and accessibility, and seamless user experiences..
- Built **dynamic and reusable components** using **Vanilla JS (ES6)** and integrated **REST APIs**.

- Implemented advanced **SASS architecture** with **mixins, variables, nesting, and animations**, improving maintainability, design consistency, and development speed.
 - Utilized **Redux** for centralized state management.
 - Collaborated closely with **clients, design, and marketing teams**, translating design prototypes from **Figma** and **Sketch** into functional interfaces while maintaining brand consistency.
 - Participated in **Agile workflows (Scrum & Kanban)**, ensuring on-time delivery through sprint planning, daily stand-ups, and iterative feedback cycles.
 - Applied **Clean Code, BEM methodology**, and **component-driven architecture** to ensure scalability, readability, and long-term maintainability of CSS and JS codebases.
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EDUCATION and PROFESSIONAL DEVELOPMENT

Full Stack - MEAN, AEPI | Jun. 2019 - Jul 2019

- Intensive full-stack web development course covering **MongoDB, Express.js, Angular 8, and Node.js**.
- Focused on REST API design, CRUD operations, and SPA integration.

Master Degree web design & web development, AEPI | Jan. 2018 - Mar. 2018

Intensive program in **modern web design and frontend development** using **HTML5, CSS3, and jQuery**.

Covered responsive design, UI layout, and visual optimization techniques

Bachelor's Degree in Multimedia, UOC | Feb. 2012 - Jun 2018 (240cts - 4Y)

- Specialized in **UX/UI Design, Usability, and Interface Design**, using **Adobe Creative Suite** and **Axure RP** for prototyping.
- Coursework included **Object-Oriented Programming (OOP), Databases, Project Management**, and **Web Development** with **JavaScript, PHP, and SQL**.
- Final project focused on **interactive web experiences and digital usability**.

3D animation, games & interactive environments, *IES LaMerce | Sep. 2012 - Jun. 2014 (2000h. - 2Y)*

Specialized in **game design and interactive applications** using **Unity, C#, and JavaScript**.

Graphic design & animation, *EASA | Sep. 2010 - Jun. 2012 (2000h. - 2Y)*

Focused on **graphic design, motion graphics, and animation** using **Adobe Creative Suite (Photoshop, Illustrator, InDesign, After Effects)**.

Gained strong foundations in **visual composition, branding, and storytelling**, later applied to UX/UI and frontend work.

LANGUAGES

English: B2.2 (Upper-intermediate)

Spanish: Native

Galician: Native

Catalán: Intermediate